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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,778 02/22/2002		James D. Greenfield	END920010082	2009
30400	7590 12/09/2004		EXAMINER	
	OTHENBERG FARL	LEE, Y	LEE, Y YOUNG	
5 COLUMBI ALBANY, 1		ART UNIT	PAPER NUMBER	
			2613	

DATE MAILED: 12/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



Office Action Summary 10/081,778 GREENFIELD ET AL.					()				
Examiner Y. Lee 2613	Office Action Summary		Application No.	Applicant(s)	\mathcal{D}_{l}				
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALINKO DATE OF THIS COMMUNICATION. The period or reply specified above in less also in this (80) days, at pay within the state days minimum of they, (80) days, will be corrected timely. If the period or reply specified above in less also in this (80) days, a large xit, 80, MONTHS fem the maning date of this communication. If the period or reply specified above in less also in this (80) days, a large xit, 80, MONTHS fem the maning date of the communication. If the period or reply specified above in less also in this (80) days, a large xit, 80, MONTHS fem the maning date of the communication. If the period or reply specified above in less also in this (80) days, a large xit, 80, MONTHS fem the maning date of the communication. If the period or reply specified above in less also in this period in the specified above in the specified above and the period of the communication, and the period of the communication and period in the communication. Parks to represent the specified above in less also in the period of the communication, even if limitely filed, may require any sensor above any open days and the period of the communication and the period of the communication and the period of the period of the communication and the period of the communication and the period of the peri			10/081,778	GREENFIELD ET AL.					
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2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 The above claim(s) is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5 Claim(s) 1.57.12 and 14-19 is/are rejected. 7 Claim(s) 1.57.12 and 14-19 is/are rejected. 8 Claim(s) 1.57.12 and 14-19 is/are rejected. 7 Claim(s) 1.57.12 and 14-19 is/are rejected. 9 The specification is objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers 9 The drawing(s) filed on is/are: a) accepted or b objected to by the Examiner. Application Papers colored to by the Examiner. Application Papers 10 Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b O declaration is objected to by the Examiner. 12 Certified copies of the priority documents have been received. 2 Certified copies of the priority documents have been received in Application No. in the Application Paper Note Note Interview Summany (PTO-413) application from the Interview Summany (PTO-413) application Paper Note) Mall Date	Status								
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-5, 7-12, and 14-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Sita et al (6,539,120).

Sita et al, in Figure 7, discloses an MPEG decoder using the same system and method of filtering pixels video frames of a sequence of video frames for facilitating video encoding thereof as specified in claims 1-5, 7-12, and 14-19 of the present invention, comprising obtaining pixel values of video frames of the sequence of video frames (e.g. MPEG bitstream); and programmably vertically filtering the pixel values of the video frames (Fig. 7).

With respect to claims 2-5, 7-12, and 14-19, Figure 2 of Sita et al discloses the same program storage device readable by a machine, tangibly embodying at least one program of instructions executable by the machine to dynamically obtain new vertical filter coefficients during the programmably vertically filtering of pixel values per video frame of the sequence of video frames for enhancing video encoding of the sequence of video frames (Fig. 7A); separating luminance components and chrominance

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components of the pixel values in a vertical filter buffer (706-720); vertically filtering luminance components of pixel values using at least two programmable luminance filter coefficients and vertically filtering chrominance components of the pixel values using least two programmable chrominance filter coefficients (C0-C3); and merging filtered luminance component data and filtered chrominance component data after the vertically filtering of luminance components and the vertically filtering of chrominance components 780.

Allowable Subject Matter

- 3. Claims 6, 13, and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 4. The following is a statement of reasons for the indication of allowable subject matter: Claims 6, 13, and 20 are considered allowable over the prior art because none of the references of record alone or in combination suggest, disclose, or teach vertically filtering luminance and chrominance components of the pixel values by determining filtered component data using the formulas as specified in the claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Y. Lee whose telephone number is (703) 308-7584.

The examiner can normally be reached on (703) 308-7584.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (703) 305-4856. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Y. Lee

Primary Examiner
Art Unit 2613